

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the	INTE	RNAT	IONAL	BUREAU
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To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year)
08 March 2001 (08.03.01)

in its capacity as elected Office

International application No. PCT/EP00/05732

Applicant's or agent's file reference PF990042

International filing date (day/month/year) 21 June 2000 (21.06.00)

Priority date (day/month/year) 21 June 1999 (21.06.99)

Applicant

DENIAU, Eric et al

1.	The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on:
	X in the demand filed with the International Preliminary Examining Authority on: 17 January 2001 (17.01.01)
	17 January 2001 (17.01.01)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under
	Rule 32.2(b).
	·

The international Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer**

Claudio Borton

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

	From the INTERNATIONAL BUREAU				
PCT	То:				
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422)	KOHRS, Martin Thomson Multimedia 46, quai Alphonse Le Gallo F-92648 Boulogne FRANCE				
Date of mailing (day/month/year) 16 November 2001 (16.11.01)					
Applicant's or agent's file reference PF990042	IMPORTANT NOT	FICATION			
International application No. PCT/EP00/05732	International filing date (day/month/year) 21 June 2000 (21.06.00)				
The following indications appeared on record concerning: The following indications appeared on record concerning: The following indications appeared on record concerning: The following indications appeared on record concerning:	the agent the comme	on representative			
Name and Address THOMSON MULTIMEDIA 46, quai Alphonse Le Gallo F-92100 Boulogne-Billancourt France	State of Nationality FR Telephone No.	State of Residence FR			
Transc	Facsimile No.				
	Teleprinter No.				
2. The International Bureau hereby notifies the applicant that the X the person the name the add		concerning: the residence			
Name and Address THOMSON LICENSING S.A. 46, quai Alphonse Le Gallo F-92100 Boulogne-Billancourt	State of Nationality FR Telephone No.	State of Residence FR			
France	Facsimile No.	1.1/2.1/11.			
·	Teleprinter No.				
3. Further observations, if necessary:					
4. A copy of this notification has been sent to:					
X the receiving Office	the designated Offices	concerned			
the International Searching Authority X the International Preliminary Examining Authority	X the elected Offices cor	ncerned			
	Authorized officer				
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Beate GIFFC	-SCHMITT			
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38				

Facsimile No.: (41-22) 740.14.35



PCT

REC'D 13 NOV 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORTED

(PCT Article 36 and Rule 70)

14

Applicant	. 05 06	nontin file reference				
PF9900		gent's file reference	FOR FURTHER	ACTION		ation of Transmittal of International / Examination Report (Form PCT/IPEA/416)
Internation	al app	olication No.	International filing date	day/month	/year)	Priority date (day/month/year)
PCT/EP	00/0	5732	21/06/2000			21/06/1999
Internation H04N5/4		ent Classification (IPC) or nat	ional classification and I	PC		
Applicant THOMS	ON	MULTIMEDIA LICE	Ensing s.	A .	· ·	iB
1. This and i	intern s tran	national preliminary examinational preliminary examination and the applicant according to the accordin	nation report has bee ecording to Article 36.	n prepared	by this Inte	rnational Preliminary Examining Authority
2. This	REPO	ORT consists of a total of	6 sheets, including th	is cover sh	eet.	
į t	een a	eport is also accompanied amended and are the basi Rule 70.16 and Section 60	s for this report and/o	r sheets co	ntaining rec	n, claims and/or drawings which have ctifications made before this Authority e PCT).
These	e ann	exes consist of a total of 3	3 sheets.			
3. This r	eport	contains indications relati	ng to the following ite	ms:		
1	×	Basis of the report				
11						
111		Non-establishment of op		ovelty, inve	ntive step a	and industrial applicability
IV V	⊠	Lack of unity of invention		rocard to n	avolte invoc	ntive step or industrial applicability;
·		citations and explanation	s suporting such stat	ement	overty, inver	nive step or industrial applicability;
VI		Certain documents cited	l			
VII	\boxtimes	Certain defects in the inte	ernational application			
VIII		Certain observations on	the international appli	cation		
Date of sub	missio	n of the demand		Date of co	mpletion of th	nis report
17/01/200)1			09.11.200	1	
	examii	address of the international ning authority:	-	Authorized	l officer	STORES ANTITON
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d						

Telephone No. +49 89 2399 8482

Fax: +49 89 2399 - 4465

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/05732

 Basis of the re

1.	th ar	With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)): Description, pages:					
	1-	10	as originally filed				
	CI	aims, No.:	·				
	2-5	5,7,8	as received on	20/06/2001	with letter of	19/06/2001	
	1,6	3	with telefax of	25/10/2001			
	Dr	awings, sheets:					
	1,2	?	as originally filed				
2.	Wit lan	th regard to the lang guage in which the i	uage, all the elements marked a nternational application was filed	above were av d, unless othe	vailable or furnished to	this Authority in the this item.	
	The	ese elements were a	available or furnished to this Auth	nority in the fo	llowing language: , v	vhich is:	
		the language of a t	translation furnished for the purp	oses of the in	iternational search (un	der Rule 23.1(b)).	
			blication of the international app			` ''	
		the language of a t 55.2 and/or 55.3).	ranslation furnished for the purp	oses of intern	ational preliminary exa	amination (under Rule	
3.	. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
		contained in the int	ernational application in written	form.			
		filed together with t	he international application in co	mputer reada	ible form.		
		furnished subseque	ently to this Authority in written fo	orm.			
		furnished subseque	ently to this Authority in compute	r readable for	m.		
		The statement that the international ap	the subsequently furnished writ plication as filed has been furnis	ten sequence shed.	listing does not go be	yond the disclosure in	
		The statement that listing has been fur	the information recorded in comnished.	puter readabl	e form is identical to th	ne written sequence	
4.	The	amendments have	resulted in the cancellation of:				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/05732

		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:						
5.		This report has been established as if (some of) the amendments had not been made, since they have bee considered to go beyond the disclosure as filed (Rule 70.2(c)):							
		(Any replacement shoreport.)	eet contai	ining such	h amendments must be referred to under item 1 and annexed to this				
6.	Add	Additional observations, if necessary:							
V.	Rea citat	soned statement und tions and explanation	der Articl ns suppo	e 35(2) w orting suc	vith regard to novelty, inventive step or industrial applicability; ch statement				
1.	State	ement							
	Nove	elty (N)	Yes: No:	Claims Claims	1-8				
	Inve	ntive step (IS)	Yes: No:	Claims Claims	1-8				
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-8				
2.	Citat	ions and explanations							

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

Concerning Section V - Articles 33(2) and 33(3) PCT

The following documents are cited - the numbering will be adhered to in the rest of the procedure:

D1: EP-A-0 823 798;

D2: JP-A-11 134 345 (Abstract);

D3: US-A-5 483 278.

1.1. Claim 1

(a)

D1 (abstract) discloses :

A method for managing data structures broadcast in a television system in a receiver of such a system. The method comprises the steps of

- storing a database set up from data selected from received data structures;
- detecting updating of data structures including data in the database;
- comparing, in case of such detection, data stored in the data base and the corresponding data of the updating data structure.

When a difference between the data in the database and the data in the updating data structure is detected, a client application in the receiver is notified thereof. The detection of such a difference is tantamount to "consistency checking" (as in claim 1 on file). Accordingly, when updating data are received, a comparison is initiated/triggered.

Thus the claimed feature "step of triggering a consistency check between said <customised> list of services and the down-loaded update of a list of services available to the receiver" is considered to be anticipated by D1 (the term "customized" relates to information content which is not technical and as such cannot establish a technical difference.

D1 and the updating disclosed therein pertain to transmitted and received service information (D1: p.2 line 5). Thus the database

disclosed in D1 is to be seen as a database containing service information. A database, according to a normal interpretation thereof, represents a stored list of data, ie a stored list of service information, in the case of D1. Accordingly, the respective claimed "service lists" of claim 1 are also anticipated by D1.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does not appear to be disclosed in D1.

(b)

It is to be noted that both documents D2 and D3 also deal with updating of stored data with received broadcast updating data. Data updating requires merging the updating data in to the stored data.

In D2, the updating data are "collated" with the stored data. Such activities require checking which item of the updating data corresponds to (ie is consistent" with) which of the stored data items, and require checking whether a stored data is to be updated because the updating data are different from it, or whether a stored data item can remain unchanged.

D3 (abstract) discloses a user interface having the capability of updating stored information related to downloaded programs, and in which an automatic correlation is made between user preference program information data and received updating data.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does also not appear to be disclosed in, or suggested by, D2 or D3. Hence it is considered that claim 1 meets the requirements of novelty and inventive step (Art. 33(2), (3) PCT).

The invention is industrially applicable.

1.2. Claim 6

The findings set out above in respect of claim 1 correspondingly apply to claim 6.

2. Concerning Section VII: Description and other belongings

The independent claims are cast in the two-part form as required by Rule 6.3(b) PCT, but the two-part form presently used is not correct in light of the disclosure of D1 (cf paragraph 1.1 above).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 to D3 cited above is not mentioned in the description, nor are these documents identified therein.

The statement of the invention in the introductory portion of the description is not matched with the invention as currently claimed in independent claims 1 and 6. 5

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CLAIMS

1. Method for managing the service lists broadcast in a television system characterized in that, in a receiver of such a system, the method comprises the step of :

storing at least one customized list of services;

providing an application programmable interface trigger for triggering a consistency check between said at least one customized list of services and a downloaded update of a list of services available to the receiver.

- 2. Method according to claim 1, wherein said consistency check comprises the step of verifying the absence of a service of a stored list in the updated list, and in case such an absence is detected, in deleting said service from the stored list.
- 3. Method according to claim 2, wherein the deletion of an absent service from the stored list is carried out after a predetermined number of checks revealing the absence of the service in the updated list.
- 4. Method according to one of the claims 1 to 3, wherein said consistency check comprises the step of verifying the presence of a service of a stored list in the updated list, and in case such presence is detected, in comparing whether parameters relative to said detected service and stored in said stored list are similar to parameters relative to said detected service in the updated list, and in case of difference between the parameters, of updating the parameters of the detected service in the stored list.
- 5. Method according to one of the claims 1 to 4, wherein a consistency check of a stored list is triggered:

- (a) when an application for editing the at least one stored list is launched and/or
 - (b) at a predetermined time of the day.

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- 6. Receiver in a digital television system containing a central unit (23), reception means to receiving broadcasted services and services lists, memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:
- a demultiplexer for demultiplexing an updated list of services available to the receiver;
- means for checking the coherence between said at least one customized list of services and said updated list of services;
- a memory for storing an application adapted to trigger the coherence check by said means.
- 7. Receiver in a digital television system according to claim 6, characterized in that it comprises means to allow the user to select a service of the customized list and means for controlling if said selected service is in the updated list of services, means for updating the customized list are triggered if the selected service is not in the updated list.
- 8. Receiver in a digital television system according to claim 7, characterized in that it comprises it comprises a counter which counts the number of checking of lists for that a selected service in a customized list is not in the updated list, and a erasing means which are activated when the counter reaches a predetermined value.

New Claims

Claim 1. Method for managing the broadcast service lists in a television receiver, the method comprising a previous step of receiving a downloaded update of a list of service (MPG) and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check.

Claim 6. Receiver for a digital television system, the receiver containing a central unit (23), reception means (2,3,4,5,6) for receiving and storing broadcast services and services lists, a memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

- means for checking the consistency between said at least one customized list of services and said broadcast list of services;
- a memory storing an application adapted to trigger the consistency check by said means, the checking of the consistency being trigerable by said application which carries out said triggering at a time chosen so as not to disrupt receiver use by said checking.

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:	вен		PCT
KOHRS, Martin THOMSON MULTIMEDIA 46 Quai Alphonse Le Gallo 92648 BOULOGNE Cedex FRANCE	Patent Deportment Administration. Paris	THE INT	CATION OF TRANSMITTAL OF TERNATIONAL PRELIMINARY XAMINATION REPORT (PCT Rule 71.1)
		Date of mailing (day/month/year)	09.11.2001
Applicant's or agent's file reference PF990042			MPORTANT NOTIFICATION
International application No. PCT/EP00/05732	International filing date (da 21/06/2000	ay/month/year)	Priority date (day/month/year) 21/06/1999
Applicant THOMSON MULTIMEDIA			

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

Authorized officer

- European Patent Office D-80298 Munich

Schalinatus, D

Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465

Tel.+49 89 2399-8242

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's	or age	ent's file reference			of Transmittel of International	
PF990042			FOR FURTHER ACTION	Preliminary Exe	mination Report (Form PCT/IPEA/416)	
Internation	al appi	leation No.	International filing date (day/mont	vyear) Pri	ority date (day/month/year)	
PCT/EP	00/05	732	21/06/2000	21	/06/1999	
Internation H04N5/4	_	ent Classification (IPC) or na	tional classification and IPC			
Applicant	<u> </u>	U TIMEDIA				
		IULTIMEDIA				
1. This and i	Interni s trans	ational preliminary exami smitted to the applicant a	nation report has been prepare according to Article 36.	d by this Internat	ional Preliminary Examining Authority	
2. This	REPO	RT consists of a total of	6 sheets, including this cover s	heet.		
ь	е па	mended and are the bas	d by ANNEXES, i.e. sheets of the form this report and/or sheets of the Administrative instruct	ontaining rectific	aims and/or drawings which have ations made before this Authority CT).	
Thes	e ann	exes consist of a total of	3 sheets.			
3. This	report	contains indications rela	ting to the following Items:			
t	Ø	Basis of the report				
ĮI.						
Ш		Non-establishment of o	pinion with regard to novelty, in	ovelty, inventive step and industrial applicability		
IV		Lack of unity of invention				
V	Ø	Reasoned statement un citations and explanation	nder Article 35(2) with regard to ins suporling such statement	novelty, inventive	step or Industrial applicability;	
VI		Certain documents cite	d			
VII	\boxtimes	Certain defects in the in	ternational application			
VIII	0	Certain observations on	the international application		•	
Date of sub	oksim	n of the demand	Date of	completion of this r	eport	
17/01/20	01 <i>U</i>		09.11.2	001	•	
Name and preliminary	exami	address of the International ning authority:	Authori	ed officer	G M S	
0))	Euro D-80	pean Patent Office 1298 Munich +49 89 2399 - 0 Tx: 523656	Loese	, E		
		+49 89 2399 • 0 1x: 523656 +49 89 2399 • 4465		ne No. +49 BB 239	9 8482	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/05732

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ı p	اعما	e of 1	ìhe	report

•••						
1.	the an	receiving Office in	nents of the international applic response to an invitation under o this report since they do not c	Article 14 are	referred to in this rep	ort as "originally filed"
	7-1	10	as originally filed			
	Cla	aims, No.:				
	2-5	5,7,8	as received on	20/06/2001	with letter of	19/06/2001
	1,6		with telefax of	25/10/2001		
	Dri	awlngs, sheets:	•		•	
	1,2		as originally filed			
2.	lan	guage in which the i	uage, all the elements marked international application was file available or furnished to this Aut	d, unless othe	rwise indicated under	this item.
		the language of a t	ranslation furnished for the purp	ooses of the ir	nternational search (ur	nder Rule 23.1(b)).
		the language of pu	blication of the international app	lication (unde	er Rule 48.3(b)).	
		the language of a t 55.2 and/or 55.3).	ranslation furnished for the purp	oses of interr	national preliminary ex	amination (under Rule
3.	Wit	h regard to any nuc rnational preliminan	leotide and/or amino acid seq y examination was carried out o	uence disclos n the basis of	sed in the international the sequence listing:	application, the
		contained in the int	ernational application in written	form.		
		filed together with t	he international application in c	omputer read	able form.	
		furnished subseque	ently to this Authority in written f	orm.		
		furnished subseque	ently to this Authority in compute	er readable fo	rm.	
		the international ap	the subsequently furnished writeplication as filed has been furni	shed.		
		The statement that listing has been fur	the information recorded in connished.	nputer readab	te form is identical to t	he written sequence

4. The amendments have resulted in the cancellation of:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/05732

		the description,	pages:						
		the claims.	Nos.:						
		the drawings,	sheets:						
5.	0	This report has been established as if (some of) the amendments had not been made, since they have beer considered to go beyond the disclosure as filed (Rule 70.2(c)):							
		(Any replacement sh report.)	eet contai	ining such	n amendments must be referred to under item 1 and annexed to this				
6.	Additional observations, if necessary:								
V.		soned statement un tions and explanatio			rith regard to novelty, inventive step or industrial applicability;				
1.	Stat	ement							
	Nov	elty (N)	Yes: No:	Claims Claims	1-8				
	Inve	ntive step (IS)	Yes: No:	Claims Claims	1-8				
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-8				
2.	Citat	tions and explanations	s						

VII. Certain defects in the international application

see separate sheet

The following defects in the form or contents of the international application have been noted: see separate sheet

1. Concerning Section V - Articles 33(2) and 33(3) PCT

The following documents are cited - the numbering will be adhered to in the rest of the procedure:

D1: EP-A-0 823 798;

D2: JP-A-11 134 345 (Abstract);

D3: US-A-5 483 278.

1.1. Claim 1

(a)

D1 (abstract) discloses :

A method for managing data structures broadcast in a television system in a receiver of such a system. The method comprises the steps of

- storing a database set up from data selected from received data structures;
- detecting updating of data structures including data in the database;
- comparing, in case of such detection, data stored in the data base and the corresponding data of the updating data structure.

When a difference between the data in the database and the data in the updating data structure is detected, a client application in the receiver is notified thereof. The detection of such a difference is tantamount to "consistency checking" (as in claim 1 on file). Accordingly, when updating data are received, a comparison is initiated/triggered.

Thus the claimed feature "step of triggering a consistency check between said <customised> list of services and the down-loaded update of a list of services available to the receiver" is considered to be anticipated by D1 (the term "customized" relates to information content which is not technical and as such cannot establish a technical difference.

D1 and the updating disclosed therein pertain to transmitted and received service information (D1: p.2 line 5). Thus the database

disclosed in D1 is to be seen as a database containing service information. A database, according to a normal interpretation thereof, represents a stored list of data, ie a stored list of service information, in the case of D1. Accordingly, the respective claimed "service lists" of claim 1 are also anticipated by D1.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does not appear to be disclosed in D1.

(b)

It is to be noted that both documents D2 and D3 also deal with updating of stored data with received broadcast updating data. Data updating requires merging the updating data in to the stored data.

In D2, the updating data are "collated" with the stored data. Such activities require checking which item of the updating data corresponds to (ie is consistent" with) which of the stored data items, and require checking whether a stored data is to be updated because the updating data are different from it, or whether a stored data item can remain unchanged.

D3 (abstract) discloses a user interface having the capability of updating stored information related to downloaded programs, and in which an automatic correlation is made between user preference program information data and received updating data.

The claimed feature "the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check" does also not appear to be disclosed in, or suggested by, D2 or D3. Hence it is considered that claim 1 meets the requirements of novelty and inventive step (Art. 33(2), (3) PCT).

The invention is industrially applicable.

1.2. Claim 6

The findings set out above in respect of claim 1 correspondingly apply to claim 6.

2. Concerning Section VII: Description and other belongings

The independent claims are cast in the two-part form as required by Rule 6.3(b) PCT, but the two-part form presently used is not correct in light of the disclosure of D1 (cf paragraph 1.1 above).

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1 to D3 cited above is not mentioned in the description, nor are these documents identified therein.

The statement of the invention in the introductory portion of the description is not matched with the invention as currently claimed in independent claims 1 and 6.

Form PCT/Separate Sheet/409 (Sheet 3) (EPO-April 1997)

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EP0005

010/019193

531 Rec'd PCT/FT 21 DEC 2001

New Claims

Claim 1. Method for managing the broadcast service lists in a television receiver, the method comprising a previous step of receiving a downloaded update of a list of service (MPG) and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering being chosen by an application in said receiver, so as not to disrupt receiver use by said check.

Claim 6. Receiver for a digital television system, the receiver containing a central unit (23), reception means (2.3,4,5,6) for receiving and storing broadcast services and services lists, a memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:

- means for checking the consistency between said at least one customized list of services and said broadcast list of services;
- a memory storing an application adapted to trigger the consistency check by said means, the checking of the consistency being triggerable by said application which carries out said triggering at a time chosen so as not to disrupt receiver use by said checking.

CLAIMS

1. Method for managing the service lists broadcast in a television comprising a previous step of receiving a download update of a list (MPG) and a step of storing at least one customized list of services;

the method is characterized in that it comprises the step of triggering a consistency check between said at least one customized list of services and the downloaded update of a list of services available to the receiver, the moment for triggering is chosen by an application.

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2. Method according to claim 1, wherein said consistency check comprises the step of verifying the absence of a service of a stored list in the updated list, and in case such an absence is detected, in deleting said service from the stored list.

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3. Method according to claim 2, wherein the deletion of an absent service from the stored list is carried out after a predetermined number of checks revealing the absence of the service in the updated list.

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4. Method according to one of the claims 1 to 3, wherein said consistency check comprises the step of verifying the presence of a service of a stored list in the updated list, and in case such presence is detected, in comparing whether parameters relative to said detected service and stored in said stored list are similar to parameters relative to said detected service in the updated list, and in case of difference between the parameters, of updating the parameters of the detected service in the stored list.

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5. Method according to one of the claims 1 to 4, wherein a consistency check of a stored list is triggered:

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(a) when an application for editing the at least one stored list is launched and/or

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- (b) at a predetermined time of the day.
- 6. Receiver in a digital television system containing a central unit (23), reception means (2, 3, 4, 5, 6) to receiving and storing broadcast services and services lists, memory (12) containing a program, a memory (6) for storing at least one customized list of services, characterized in that it comprises:
- means for checking the coherence between said at least one customized list of services and said broadcast list of services;
- a memory for storing an application adapted to trigger the coherence check by said means, the application calling the means to checking the coherence.
 - 7. Receiver in a digital television system according to claim 6, characterized in that it comprises means to allow the user to select a service of the customized list and means for controlling if said selected service is in the updated list of services, means for updating the customized list are triggered if the selected service is not in the updated list.
 - 8. Receiver in a digital television system according to claim 7, characterized in that it comprises it comprises a counter which counts the number of checking of lists for that a selected service in a customized list is not in the updated list, and a erasing means which are activated when the counter reaches a predetermined value.

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(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 28 December 2000 (28.12.2000)

PCT

(10) International Publication Number WO 00/79787 A1

(51) International Patent Classification7: H04N 5/445, 5/44

PCT/EP00/05732 V (21) International Application Number:

(22) International Filing Date: 21 June 2000 (21.06.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 99401564.2

21 June 1999 (21.06.1999)

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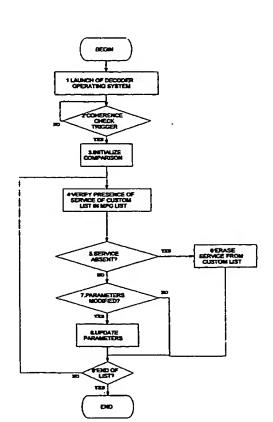
(74) Agent: KOHRS, Martin; Thomson Multimedia, 46, quai Alphonse Le Gallo, F-92648 Boulogne (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(\$4) Title: METHOD AND RECEIVER FOR MANAGING THE CONSISTENCY OF SERVICE LISTS IN DIGITAL TELEVI-SION SYSTEM



(57) Abstract: The present invention consists of a method for managing the consistency of service lists broadcasted by a digital television network, the service lists containig parameters corresponding to each broadcasted services and being received in a television receiver and stored in a memory, characterized in that, it comprises the step of: triggering means for updating the said stored list, consistency checking between at least one stored list of services and a received list of service, updating the stored list in the memory of receiver with at least one parameter of the second list. The invention can be used in the field of digital television.

WO 00/79787 A





IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

-- With international search report.

A CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N5/445 H04N5/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Maximum documentation searched (classification system followed by classification symbols) IPC 7 - H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

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Α	page 3, line 45 – line 53; figure 1	4,7		
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Date of the actual completion of the international search	Date of mailing of the international search report
14 September 2000	20/09/2000
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fuchs, P

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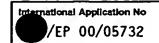
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(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PF990042	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.		
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
PCT/EP 00/05732	21/06/2000	21/06/1999	
Applicant THOMSON MULTIMEDIA			
This International Search Report has bee according to Article 18. A copy is being to	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant	
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.	
1. Basis of the report			
 a. With regard to the language, the language in which it was filed, un 	international search was carried out on the bar less otherwise indicated under this item.	sis of the international application in the	
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of t	he international application furnished to this	
b. With regard to any nucleotide ar was carried out on the basis of th contained in the internation filed together with the internation furnished subsequently to the statement that the suinternational application a	e sequence listing: onal application in written form. emational application in computer readable for o this Authority in written form. o this Authority in computer readble form. bsequently furnished written sequence listing d is filed has been furnished.		
Certain claims were foul Unity of invention is lac	ind unsearchable (See Box I). iking (see Box II).		
	shed by this Authority to read as follows:	OF SERVICE LISTS IN DIGITAL	
the text has been establis	ubmitted by the applicant. shed, according to Rule 38.2(b), by this Author e date of mailing of this international search re	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.	
6. The figure of the drawings to be puber as suggested by the applicant fail because this figure better	licant.	None of the figures.	





A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04N5/445 H04N5/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Date of the actual completion of the international search	Date of mailing of the International search report
14 September 2000	20/09/2000
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Fuchs, P

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International Application No /EP 00/05732

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